United States Department of Agriculture
National Agricultural Statistics Service

Minnesota Crop Progress & Condition

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Cooperating with the Minnesota Department of Agriculture

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For the week ending June 29, 2014
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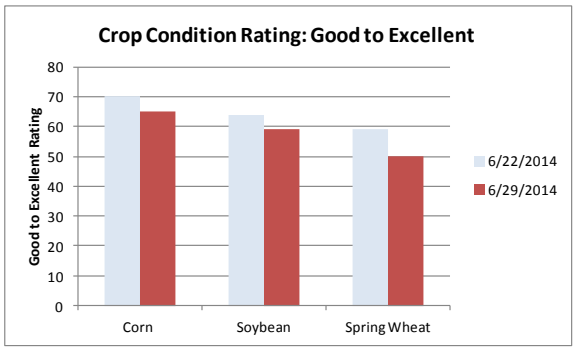
Precipitation and wet field conditions continued to stress crops and delay alfalfa hay cuttings during the week ending June 29, 2014, according to the USDA National Agricultural Statistics Service. Conditions declined for all crops during the week as a result of excess moisture and standing water. Many farmers have been unable to get equipment into their fields, delaying fertilizer and chemical application. There were 2.7 **days suitable for fieldwork** across the State.

Topsoil moisture supplies were rated 0 percent very short, 0 percent short, 47 percent adequate, and 53 percent surplus. **Subsoil moisture** supplies were rated 0 percent very short, 0 percent short, 51 percent adequate, and 49 percent surplus.

Corn emergence was 97 percent, 3 percentage points behind the average. Corn condition ratings came in at 2 percent very poor, 8 percent poor, 25 percent fair, 52 percent good, and 13 percent excellent. Ninety-five percent of the **soybean** crop has emerged, up 5 points from the previous week. Soybeans have started to bloom across the southern half of the State. Soybean condition rated 2 percent very poor, 8 percent poor, 31 percent fair, 51 percent good, and 8 percent excellent. Sixteen percent of the **Spring wheat** crop was heading, 28 points behind average. Spring wheat condition ratings came in at 4 percent very poor, 9 percent poor, 37 percent fair, 44 percent good, and 6 percent excellent. Seventeen percent of the **barley** crop was heading, and 44 percent was in good to excellent condition. Thirty-eight percent of the **oat** crop was heading. Emergence for **dry edible beans** was 95 percent, 8 points more than the previous week. Ninety-seven percent of the **sunflower** crop has been planted, 12 points more than the previous week. The first **sugarbeet** condition ratings of the year came in at 11 percent very poor, 34 percent poor, 35 percent fair, 13 percent good, and 7 percent excellent.

The **first cutting of alfalfa hay** was 67 percent complete, 5 days behind last year and two weeks behind average. **All hay** conditions rated 1 percent very poor, 5 percent poor, 30 percent fair, 52 percent good, and 12 percent excellent. **Pasture** conditions were rated 1 percent very poor, 3 percent poor, 17 percent fair, 61 percent good, and 18 percent excellent. Some producers were applying insecticide to their alfalfa fields in south central Minnesota.



Soil Moisture Conditions as of June 29, 2014

	Very Short	Short	Adequate	Surplus
	Percent	*Percent*	*Percent*	*Percent*
Topsoil Moisture	0	0	47	53
Subsoil Moisture	0	0	51	49

Crop Conditions as of June 29, 2014

	Very Poor	Poor	Fair	Good	Exc.
Pasture	1	3	17	61	18
Hay, all	1	5	30	52	12
Oats	1	4	26	60	9
Barley	5	10	41	39	5
Corn	2	8	25	52	13
Soybeans	2	8	31	51	8
Spring Wheat	4	9	37	44	6
Potatoes, all	0	3	20	58	19
Sugarbeets	11	34	35	13	7

Crop Progress as of June 29, 2014

	This Week	Last Week	Last Year	5 Yr Avg
Days Suitable for Fieldwork	2.7	1.1	4.1	4.3

	Percent	*Percent*	*Percent*	*Percent*
Oats jointing	82	69	70	87
Oats headed	38	21	18	58
Barley jointing	63	37	75	79
Barley headed	17	2	11	46
Spring Wheat jointing	77	48	79	82
Spring Wheat headed	16	3	8	44
Soybeans emerged	95	90	91	98
Dry Edible Beans emerged	95	87	90	97
Sunflowers planted	97	85	95	99
Alfalfa Hay, first cutting	67	51	79	86

The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week: http://climate.umn.edu/doc/weekmap.asp

National Weather Service's Minnesota Data:
http://www.nws.noaa.gov/view/states.php?state=MN

Precipitation and Temperature Summary for 6/23/2014 through 6/29/2014

	Temperature				Precipitation				G D D	
						Depart From Normal				
	High	Low	Week Average	Depart from Norm	Week Total	Past Week	Four Weeks	Since 4/1	Since 05/16	Depart From Norm
NORTHWEST DISTRICT										
Crookston	87	57	69.7	2.8	0.4	-0.45	2.3	1.92	723	111
Itasca	M	M	M	M	M	M	M	M	M	M
Moorhead	84	59	71.2	2.6	0.76	-0.11	1.89	3.1	782	113
Pembina, ND	M	M	M	M	2.43	1.52	3.01	4.58	M	M
Warroad	M	M	M	M	M	M	M	M	M	M
NORTH CENTRAL DISTRICT										
Grand Rapids	83	49	66.4	0.7	1.59	0.52	1.89	5.4	629	66
Intl. Falls	83	50	65.1	2	1.15	0.21	6.47	7.62	571	82
NORTH EAST DISTRICT										
Duluth	82	46	62.2	-0.5	1.17	0.17	0.08	2.39	502	49
Grand Marais	63	40	48.6	-7.9	0.39	-0.46	1.2	M	M	M
Hibbing	85	43	65.6	3.8	0.56	-0.5	0.66	8.88	609	172
WEST CENTRAL DISTRICT										
Alexandria	83	57	70.2	2.2	0.73	-0.21	2.05	5.68	M	M
Breckenridge	M	M	M	M	M	M	M	M	M	M
Browns Valley	M	M	M	M	M	M	M	M	M	M
Canby	81	60	70	-0.4	0.32	-0.63	M	M	M	M
Montevideo	84	58	70.8	1.2	0	-1	4.51	4.47	762	61
Morris	82	57	69.7	1.2	0.98	0	3.48	5.14	720	53
Wheaton	82	59	69.7	0.5	0.85	-0.09	2.27	5.11	726	46
CENTRAL DISTRICT										
Becker	85	52	70.2	1.5	0.75	-0.33	2.03	10.3	746	62
Collegeville	85	51	71.6	1.6	0.88	-0.19	1.57	5.76	765	49
Hutchinson	85	57	71.6	1.4	0.16	-0.89	1.6	6.43	781	65
Melrose	83	53	69	1.2	0.37	-0.6	2.41	9.84	696	58
Olivia	83	58	69.8	0.1	0.2	-0.87	4.52	8.95	708	0
St. Cloud	85	53	71.5	3.4	0.49	-0.47	2.02	9.26	785	141
Wadena	80	52	67.4	1.9	0.68	-0.35	M	M	M	M
Willmar	85	58	70.4	0.4	0.26	-0.89	4.95	7.46	718	1
EAST CENTRAL DISTRICT										
Aitkin	82	48	66.8	1.5	0.57	-0.52	1.43	4.32	681	136
Forest Lake	86	52	69.7	-0.1	1.6	0.53	3.33	9.59	741	37
MSP Airport	85	56	72.6	1.1	0.51	-0.49	5.01	12.05	814	60
Mora	M	M	M	M	M	M	M	M	M	M
St. Paul - UofM	85	55	71.4	1.6	1.1	0.03	3.5	8.79	804	100
SOUTH WEST DISTRICT										
Lamberton	84	60	71.4	0.9	0.41	-0.57	2.12	2.37	775	39
Marshall	84	59	72	1.5	0.16	-0.74	5.85	5.84	823	92
Pipestone	83	58	70.6	1.4	0.24	-0.73	2.23	1.92	770	86
Redwood Falls	87	61	72.8	1.9	0.23	-0.77	4.32	7.92	825	76
Sioux Falls	84	58	71.5	1	0.13	-0.75	7.42	6.64	802	86
Worthington	82	58	70.2	0.3	0.83	-0.28	4.33	1.84	740	33
SOUTH CENTRAL DISTRICT										
North Mankato	M	M	M	M	M	M	M	M	M	M
Owatonna	85	60	72.1	1.7	0.46	-0.62	4.66	6.21	764	44
Waseca	85	61	71.9	1.2	0.69	-0.4	6.19	M	759	11
Winnebago	85	61	72.6	1.9	0.8	-0.27	4.16	5.95	796	52
SOUTH EAST DISTRICT										
Cannon Falls	82	55	70.6	1	M	M	M	M	M	M
La Crosse	88	63	75.2	3.5	1.72	0.68	1.59	4.97	902	130
Preston	86	55	71.2	2.1	3.92	2.72	3.87	3.91	740	68
Red Wing	86	59	71.5	1.4	0.96	0.01	5.34	8.91	804	89
Rochester	82	59	71.2	1.3	1.47	0.35	1.18	2.46	784	72
Rosemount	M	M	M	M	M	M	M	M	M	M
Winona Dam	84	61	72.4	2.5	2.39	1.4	2.17	3.44	798	99

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office.
URL://climate.umn.edu